

Publications, Awards, Grants: Baylor BIRCWH

Laura Goetzl, M.D., M.P.H.

Papers

Goetzl L, Evans T, Rivers J, Suresh MS, Lieberman E. Elevated Maternal and Fetal Serum Interleukin-6 Levels are Associated with Epidural Fever *Am J Obstet Gynecol* 2002; 187:834-8

Goetzl, L. Obstetric analgesia and anesthesia. ACOG Practice Bulletin No. 36. American College of Obstetricians and Gynecologists *Obstet Gynecol* 2002;100:177–191

Goetzl L, Wilkins I. Glyburide Compared to Insulin for the Treatment of Gestational Diabetes Mellitus; A Cost Analysis. *J Perinatol*, 2002;22:403-6

Goetzl L, Cohen A, Frigoletto F, Lieberman E. Maternal Epidural Use and Neonatal Sepsis Evaluation in Afebrile Mothers. *Pediatrics* 2001; Nov, 108:1099-1102.

Goetzl L, Cohen A, Frigoletto F, Lang JM, Lieberman E. Maternal epidural analgesia and rates of maternal antibiotic treatment in a low-risk nulliparous population. *J Perinatol*. 2003;23(6):457-61.

Abstracts

Goetzl, L, Krantz D for the BUN Study Group. Low First Trimester PAPP-A Identifies Pregnancies Requiring IUGR Screening. Society for Maternal Fetal Medicine, 2004, New Orleans Published in: *Am J Obstet Gynecol* 2003 (December Suppl).

Goetzl L, Rivers J, Zighelboim I, Mastrangelo MA, Tweardy DJ and Suresh MS. Underlying Interleukin-6 Levels Identify Women Destined to Develop Intrapartum Fever after Epidural Analgesia Society for Maternal Fetal Medicine 2004, New Orleans. Published in: *Am J Obstet Gynecol* 2003 (December Suppl).

Zighelboim I, Rivers J, Mastrangelo MA, Tweardy DJ Suresh MS and **Goetzl L**. Epidural Analgesia, Epidural Fever and Placental cytokine Production SMFM, 2004, New Orleans Published in: *Am J Obstet Gynecol* 2003 (December Suppl).

Goetzl L, Krantz D, Simpson JL, Silver RK, Wapner RJ for the BUN Study Group. Normal 10-14 Week Values of PAPP-A, Free β hCG and NT Measurements Confer Low Risk of Subsequent Pregnancy Loss Society for Gynecologic Investigation (SGI) 2003,

Washington DC. Published in: *J Soc Gynecol Investig* 2003; Vol. 10, No. 2, (Suppl), page 321A.

Goetzl L, Zigelboim I, Rivers J, Suresh M. Preventing Hyperthermic and Cytokine Mediated Neonatal Brain Injury Secondary to Epidural Fever. Oral Presentation, Society for Maternal Fetal Medicine, 2003, San Francisco. Published in: *Am J Obstet Gynecol* 2002, Vol. 187, No. 6 (December Suppl), page S73.

Rochon M, Gardner M, **Goetzl L**. Hemoglobin A1C in Term Pregnancies Complicated by Gestational Diabetes: A Predictor of Macrosomia? Society for Maternal Fetal Medicine, 2003 San Francisco. Published in: *Am J Obstet Gynecol* 2002, Vol. 187, No. 6 (December Suppl), page S151.

Krantz D, **Goetzl L**, Wapner RJ. Poor Perinatal Outcome is Associated with Extreme First Trimester Biochemical Screening Markers. Society for Maternal Fetal Medicine, 2003 San Francisco. Published in: *Am J Obstet Gynecol* 2002, Vol. 187, No. 6 (December Suppl), page S155.

Goetzl L, Evans T, Rivers J, Lieberman E. A Double-Blind Placebo-controlled trial of prophylactic Acetaminophen to prevent epidural fever: Pilot study data. Oral Presentation, Society for Obstetric Anesthesia and Perinatology (SOAP), 2002, Hilton Head, Winner Zuspan Award. Published in: *Journal of Anesthesiology* 2002 (Suppl).

Goetzl L, Zamora Y, Greisinger A, Wilkins I. Pregnancy outcomes in women with normal body mass index associated with weight gain outside of recommendations. American College of Obstetrics and Gynecology (ACOG) 2002, Los Angeles. Published in: *Obstet & Gynecol* 2002, Vol 66, No. 4, 73S (April Suppl).

Goetzl L, Wilkins I. Glyburide compared to insulin for the treatment of gestational diabetes: A cost analysis. ACOG 2002, Los Angeles. Published in: *Obstet & Gynecol* 2002, Vol 66, No. 4, 67S (April Suppl).

Goetzl L, Chuderwicz C, House M, Craigo S. Fern and Nitrazine Tests in the diagnosis of mid-trimester rupture of membranes. Society for Maternal Fetal Medicine, 2002. Published in: *Am J Obstet Gynecol* 2001, Vol 185, No. 6 (December Suppl).

Awards and Grants

- Society for Gynecologic Investigation (Bridge Grant) 2003, Total cost \$30,000
- Berlex 2002 Clinical Scholars Research Award, Total cost \$50,000.
- Zuspan Award: Award for best oral presentation on a collaborative project between an obstetrician and an obstetric anesthesiologist, Society for Obstetrical Anesthesia and Perinatology, Annual Meeting Hilton Head, 2002.

Aparna A. Kamat, M.D.

Papers

Simpson JL, Bischoff FZ, **Kamat A**, Buster JE, Carson SA: Genetics of Endometriosis. *Obstet Gynecol Clin N Am* 2003; 30:21-40.

Simpson JL, Carson S, Buster J, **Kamat A**, Bischoff F: Toward the Molecular Elucidation of Endometriosis: Molecular Biology in Reproductive Medicine 2002, In press

Gorlov IP, **Kamat A**, Bogatcheva NV, Jones E, Lamb DJ, Truong A, Bishop CE, McElreavey K, AgoulNIK AI: Mutations of the GREAT gene cause cryptorchidism. *Hum Mol Genet* 2002;11: 2309-18.

Abstracts

Kamat A, Bogatcheva N, AgoulNIK A. Mutational analysis of *GREAT* (*G protein-coupled receptor affecting testis descent*) among cryptorchid patients. Oral presentation at Annual American Society for Reproductive Medicine (ASRM) meeting, October 2002. Published in: *Fertil Steril* 2002; Vol. 78, No.3, Suppl 1, S96.

Kamat A, Simpson JL, AgoulNIK A. Molecular profiling of endometriosis using tissue microarrays: Disease correlation with increased expression of estrogen receptor- α (ER- α) and decreased expression of progesterone receptor (PR) (Oral presentation, 59th Annual ASRM meeting, San Antonio, TX). Published in: *Fertil Steril* 2003; Vol. 80, Suppl 3, S33.

Kamat A., Feng S., Bogatcheva N., AgoulNIK A.I. Abnormal connective tissue remodeling in mice deficient for relaxin receptor (LGR7). (Poster at 53rd annual meeting of American Society of Human Genetics, Los Angeles, CA, November 2003).

Alekander Rajkovic, M.D., Ph.D.

Papers

Yan W, **Rajkovic A**, Viveiros MM, Burns KH, Eppig JJ, Matzuk M. Identification of GASZ, an Evolutionarily Conserved Gene Expressed Exclusively in Germ Cells and Encoding a Protein with Four Ankyrin Repeats, a Sterile-alpha Motif, and a Basic Leucine Zipper. *Mol Endocrinol* 2002;16(6):1168-84.

Rajkovic A, Yan C, Yan W, Klysik M, Matzuk M. Obox, a family of homeobox genes preferentially expressed in germ cells. *Genomics* 2002;79:711-7.

Rajkovic A, Matzuk MM. Functional analysis of oocyte-expressed genes using transgenic models. *Mol Cell Endocrinol* 2002;187(1-2):5-9.

Suzumori N, Yan C, Matzuk M, **Rajkovic A**. *Nobox* is a homeobox-containing gene preferentially expressed in primordial and growing oocytes. *Mech Dev* 2002;111:137-41.

Rajkovic A, Hyun Lee J, Yang C, Matzuk M. The ret finger protein like 4 gene, *Rfpl4*, encodes a putative E3 ubiquitin-protein ligase expressed in adult germ cells. *Mech Dev* 2002;112(1-2):173-7.

Miner D, and **Rajkovic A**. Identification of Expressed Sequence Tags Preferentially Expressed in Human Placentas by In Silico Subtraction. *Prenat Diagn* 2003; 23: 410-9.

Meng Hsing Wu, **Rajkovic A**, Burns KH, Yan W, Lin YN, Matzuk MM. Sequence and Expression of Testis-expressed gene 14 (Tex 14): a gene encoding a protein kinase preferentially expressed during spermatogenesis, *Gene Expr Patterns* 2003; 3: 231-6.

Huang JHY, **Rajkovic A**, Szafranski P, Ochsner S, Richards JA, Goode S. Expression of *Drosophila* neoplastic tumor suppressor genes *discslarge*, *scribble*, and *lethal giant larvae* in the mammalian ovary. *Gene Expr Patterns* 2003; 3: 3-11.

Abstracts

Abstract presentation at the American Society for Human Genetics Annual Meeting, October 15-21, 2002, Baltimore, MD. "Recurrent hydatidiform mole: Further mapping and candidate gene analysis on chromosome 19q13.4." Panichkul P, **Rajkovic A**, Kashork CD, Shaffer LG, Van den Veyver IB. Published: *Am J Hum Genet* 2002; Vol. 71, No. 4 (suppl), 561.

Rajkovic A. Identification of oocyte-specific transcription factors by *in silico* subtraction. Texas Forum for Female Reproduction, 8th Annual Meeting, May 2002.

Abstract presentation at the Society for Gynecologic Investigation (SGI), Washington, D.C., March 28, 2003, "Identification of Expressed Sequence Tags Preferentially Expressed in Human Placentas by In Silico Subtraction", Miner D. and **Rajkovic A**. Published in: *J Soc Gynecol Investig* 2003; Vol.10, No. 2 (Suppl), 273A.

Plenary Session Speaker at the Society for Gynecologic Investigation (SGI), Washington, D.C., March 28, 2003, "Transcriptional regulation of early folliculogenesis". **Rajkovic A**, Suzumori N, Yan C, Matzuk MM. Published: *J Soc Gynecol Investig* 2003 Vol. 10, No. 2 (Suppl), 91A.

Awards and Grants

- Society for Gynecologic Investigations, Total cost: \$30,000, Duration: 2 years
- Basil O' Connor Starter Scholar Research Award 2003, 75,000/year, 2003-2005

Matthew Anderson, M.D., Ph.D.

Abstract presentations

Anderson ML and Bodurka D. *Outcomes of Patients Undergoing Resection of Recurrent Uterine Leiomyosarcoma* Baylor Cancer Center Retreat, November 7, 2003.

Szafranski P, Wei J, **Anderson ML** and Goode S. *"Negative Feedback between Basolateral Junctions and Taiman, a steroid hormone coactivator, regulates cell polarity and invasiveness in Drosophila."* 5th Annual Drosophila Research Conference. Washington, D.C. March 24-28, 2004.

Awards and Grants

- Awarded AAOGF fellowship. Dr. Anderson subsequently declined this fellowship.
- Joann Rosenberg Fund for Ovarian Cancer Research, Total cost: \$25,000, 2 years.
- Private Donations to Division of Gynecologic Oncology, Total Cost: \$12,000, One yr.

Susan I. Brundage, M.D., M.P.H.

Papers

Brundage SI, McGhan R, Jurkovich GJ, Mack CD, Maier RV: "Timing of Femur Fracture Fixation: Effect on Outcome in Patients with Thoracic and Head Injuries" *J Trauma* 2002; Feb, 52(2):299-307.

Brundage SI, Jurkovich GJ, Hoyt D, Patel N, Ross S, Marburger R, Stoner M, Ivatury R, Ku J, Rutherford E, Maier RV: (WTA Multi-Institution Study Group): "Stapled Versus Sutured Gastrointestinal Anastomoses In The Trauma Patient: A Multicenter Trial" *J Trauma* 2001;Dec, 51(6): 1054-1061.

Karmy-Jones R, Jurkovich GJ, Shatz DV, **Brundage SI**, Wall MJ, Englehardt S, Hoyt DB, Holcroft J, Knudson MM: "Management of Traumatic Lung Injury: A Western Trauma Association Multicenter Review" *J Trauma* 2001;Dec, 51(6):1049-1053.

Nathens AB, Maier RV, **Brundage SI**, Jurkovich GJ, Grossman DC: "The Effect Of Interfacility Transfer On Outcome In An Urban Trauma System" *J Trauma* 2003;

55(3):444-9.

Schreiber MA, Holcomb JB, **Brundage SI**, Hedner U, Macaitis JM, Hoots K. "The Effect of Recombinant Factor VIIa on Coagulopathic Pigs with Grade V Liver Injuries." *J Trauma* 2002; 53(2):252-7; discussion 257-9.

Brill SA, Stewart TR, **Brundage SI**, Schreiber MA: "Base Deficit Does Not Predict Mortality When Secondary to Hyperchloremic Acidosis" *Shock* 2002;17(6):459-62.

Carter Y, Meissner M, Bulger E, Demirer S, **Brundage S**, Jurkovich G, Borsa J, Mulligan MS, Karmy-Jones R: "Anatomical considerations in the surgical management of blunt thoracic aortic injury" *J Vasc Surg* 2001; Oct, 34(4):628-33.

Kozar RA, Lucci A, Miller C, Azzizadeh A, Cocanour CS, Potts J, Fischer C, **Brundage SI**. "A Brief Intervention By Surgeons Can Influence Medical Students Toward A Career In Surgery." *Journal of Surgical Research*. 2003, 111(1):166-9.

Brundage SI, Schreiber MA, Holcomb JB, Mastrangelo MA, Xu XQ, Macaitis J, Tweardy DJ. "Amplification of the Pro-Inflammatory Transcription Factor Cascade Increases with Severity of Uncontrolled Hemorrhage in Swine." *Journal of Surgical Research*. 2003, 113(1):74-80.

Schreiber MA, Holcomb JB, Hedner U, **Brundage SI**, Macaitis JM, Aoki N, Meng ZH, Tweardy DJ, Hoots K. The Effect of Recombinant Factor VIIa on Non-Coagulopathic Pigs with Grade V Liver Injuries. *Journal of the American College of Surgeons*. 2003 May; 196(5):691-7.

Karmy-Jones R, Nathans AB, Jurkovich GJ, Shatz DV, **Brundage SI**, Wall MJ, Englehardt S, Hoyt DB, Holcroft J, Knudson MM, Michaels A, Long W. "Urgent and Emergent Thoracotomy for Penetrating Chest Trauma." *Journal of Trauma*. 2003 (In press).

Boake C, McCauley SR, Levin HS, Contant CF, Song JX, Brown SA, Goodman HS, **Brundage SI**, Diaz-Marchan PJ, Merritt SG. "Limited Agreement Between Criterion-Based Diagnoses of Post-Concussional Syndrome." *Journal of Neuropsychiatry and Clinical Neurosciences* 2003 (In press)

Abstracts

Brundage SI, Zautke NA, Mastrangelo MA, Macaitis JM, DA Spain, and Tweardy DJ. "Interleukin-6 Infusion Blunts Pro-Inflammatory Cytokine Production Without Causing Systemic Toxicity In A Swine Model Of Uncontrolled Hemorrhagic Shock." Accepted for presentation at the American Association for the Surgery of Trauma meeting in September 2003. Published in: *J Trauma* (In press)

Brundage SI, Schreiber MA, Holcomb JB, Zautke NA, Mastrangelo MA, Xu XQ, Macaitis JM, and Tweardy DJ. "Recombinant Activated Factor VII For Adjunctive Hemorrhage Control Reduces Nuclear Factor Kappa Beta Activation In A Hypothermic Coagulopathic Swine Model Of Uncontrolled Hemorrhagic Shock." Accepted for presentation at the Shock Society meeting in June 2003. Published in: *Shock* June 2003; Vol. 19, page 46.

Brundage SI, Lucci A, Miller CC, Azizzadeh A, Kozar RA. "Potential Targets To Encourage A Surgical Career." Presented at the Western Surgical Association in November 2002.

Kozar RA, Lucci A, Miller C, Azzizadeh A, Cocanour CS, Potts J, Fischer C, **Brundage SI**. "A Brief Intervention By Surgeons Can Influence Medical Students Toward A Career In Surgery." Presented at the Association for Academic Surgeons in November 2002. Published in: *Journal of Surgical Research*. Oct 2002; Vol. 107, No.2, page 268.

Brundage SI, Schreiber MA, Holcomb JB, Mastrangelo MA, Xu XQ, Macaitis J, Tweardy DJ. "Amplification of the Pro-Inflammatory Transcription Factor Cascade Increases with Severity of Uncontrolled Hemorrhage in Swine." Presented at the Association for Academic Surgeons in November 2002. Published in: *Journal of Surgical Research*. Oct 2002; Vol 107, No.2, page 286.

Brundage SI, Schreiber MA, Mastrangelo MA, Holcomb JB, Macaitis JM, Moreno CE, and Tweardy DJ. "Increased Local Production of Interleukin-6 (IL-6) and G-CSF mRNA Correlates with Extent of Liver Damage Following Resuscitation in a Swine Model Of Uncontrolled Hemorrhagic Shock." Presented at the Eastern Association for the Surgery of Trauma (EAST) in January 2002, Published in: *Journal of Trauma*

Lee S, Nishino M, Zautke N, Teixeira T, Stewart D, Mastrangelo MA, Yu B, **Brundage SI**, Tweardy D, and Yu-Lee YL "Anti-inflammatory effects of estrogen and prolactin during hemorrhagic shock" , Gordon Conference in January 2002.

Brundage SI, Schreiber MA, Mastrangelo MA, Holcomb JB, Macaitis JM, Moreno CE, and Tweardy DJ. "Increased Magnitude Of Shock In A Swine Model Of Uncontrolled Hemorrhage Results In Increased Liver Damage And Local IL-6 And G-CSF Production." Shock Society meeting in June 2002, Published in: *Shock*, June 2002.

Awards and Grants :

American Association for the Surgery of Trauma (AAST) Research and Education Foundation Scholarship Award, 2002-2003, \$35,000.